

CMCC 274X5.16

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18 March 1958

To: WRSP

From: R-W

Info: WRSP

Headquarters

Ref: WRSP-3 "Electronics Systems Report for
1 through 28 February 1958" dated 5 March 1958.

The paragraphing used in this memo corresponds to that of the report referenced above.

- D. 4. The X-band traveling wave tube amplifier was designed by Stanford University. This design incorporated a 7-volt filament transformer and utilized resistors to drop the voltage to 6.3 volts. This was necessary since the first TWT's were handmade and the filament characteristics varied slightly from unit to unit. Filament-dropping resistors will be supplied.
- D. 2. WRSP-3 and WRSP-2 have been experimenting with the lead dress in the information amplifiers. The results stated in the February report reveal nothing deleterious to the system. During the design of the modifications to the amplifier, the factory found the lead dress to be critical. It is probable that the lead dress varies somewhat depending upon the person making the modifications. The latest reports suggest that there are no serious problems with any of the various configurations of lead dress. Therefore, the factory does not intend to re-open the development program on this unit. The field should use their own judgment in this matter.
- E. 3. Hewlett-Packard Model 430-C microwave power meters are being supplied to the detachments for the purpose of calibrating the System 4 and System 6 test equipment. These were supplied from Air Force stock. The bolometer and bolometer mounts used in connection with the power meter had to be purchased through commercial channels and will be delivered as soon as possible.

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